# **Optimizing Bone Health for Children and Adolescents**



# Children and Adolescents Are Not Meeting Calcium Needs

### 7 out of 10 boys and 9 out of 10 girls don't get the calcium they need.\*

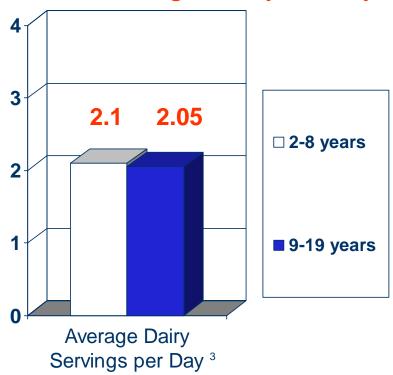
- Optimal calcium intake during childhood and adolescence is necessary to reduce the risk of calcium-related conditions later in life, such as high blood pressure, obesity and osteoporosis
- Nearly 40% of peak bone mass is accumulated during adolescence
- Low calcium intakes may be an important risk factor for fractures

\*USDA, CSFII 1994-96 (data for males and females ages 12-19 years old).

\*IOM Dietary Reference Intakes, 1997

# Children and Adolescents Do Not Meet Dairy Recommendations

Children and adolescents don't meet the recommended 3 servings of dairy each day



<sup>3</sup>Dairy Intake among U.S. Population, NHANES, 1999-2002

### **AAP Recommends 3 A Day of Dairy**

Age	Calcium Intake (mg/day) <sup>1</sup>	Servings of Dairy per Day <sup>2</sup>
1-3 years	500	3*
4-8 years	800	3**
9-18 years	1300	4**

<sup>\*</sup>Age-appropriate servings

<sup>\*\*</sup>One serving equals 8 ounces of milk or milk equivalent

### **Pediatricians Call for Calcium Check-up**

#### **Assess Calcium Intake**





### **Pediatricians Call for Calcium Check-up**



- Recommend 3 servings of dairy a day (4 for adolescents)
- Model healthy habits
- Be active
- Choose dairy first for lactose intolerance





### **Encourage Parental Role Modeling**

#### Role Modeling is Key

- Children drink more milk when their parents drink milk.
- Role modeling is effective for African-American girls.

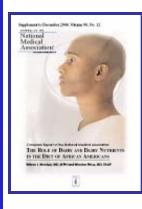
#### **Moms Need Calcium Too**

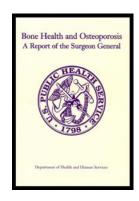
- Women consume on average less than 1.5 servings of dairy foods a day.
- Only 15 percent of moms and young women (age 31-50) meet current calcium recommendations.

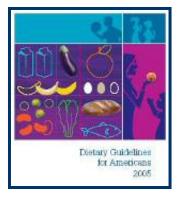


Adequate calcium intake by all members of the family is important.

# Strong Foundation for 3 Servings of Dairy a Day











### **Try These Tips for Tolerance**

#### Choose Dairy First to Enhance Diet Quality



rink milk with meals.

A ged cheeses like Cheddar and Swiss are naturally low in lactose.

ntroduce dairy slowly. Gradually increase the amount.

Reduce it. Enjoy lactose-free milk and milk products.

Yogurt with live active cultures helps to digest lactose.

## Importance of Dairy Foods for African-American Populations

### **Lactose Intolerance**

Lactose intolerance is the key barrier to dairy recommendations and consumption

# Talk to Your African American Patients About 3 A Day of Dairy



- Nearly half of African Americans consume less than one serving daily\*
- Dairy foods provide nutrients that may help reduce the risk of chronic conditions
- The NMA recommends 3-4 servings of low-fat dairy per day
- Share tips with patients for comfortably consuming dairy foods

Visit <u>www.nationaldairycouncil.org</u> for downloadable tools to share with patients.